Light Source User Guide

MicroLED Light Source Range

Models covered by this manual:

UFO MIC1000P

Please read this manual fully before installing, operating or performing maintenance on the light source unit.

Universal Fibre Optics
Home Place | Coldstream | TD12 4DT | United Kingdom
Tel: +44 (0)1890 883416 | Fax: +44 (0)1890 883062
www.fibreopticlighting.com

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INTRODUCTION

Thank you for purchasing this UFO Light source.

Please read these instructions fully before connecting your unit to the electrical supply, and keep them for future reference.

The UFO MicroLED range of light sources utilises an RGBW LED array and is suitable for use with either glass or polymer fibre-optic harness

The MicroLED is powered by a 100-240 VAC remote desktop power supply unit.

IMPORTANT

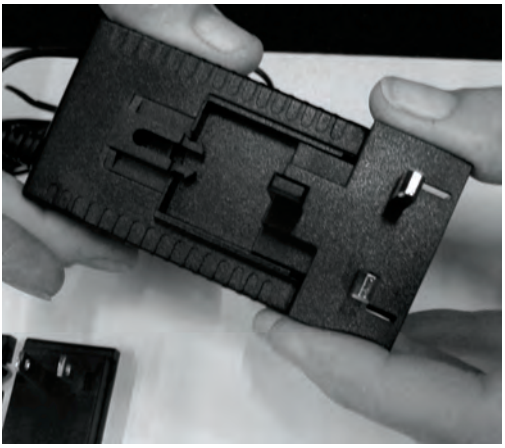
THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

INSTALLATION INSTRUCTIONS

POWER SUPPLY REQUIREMENTS

The LED light source is powered from a multi-function, multi-voltage, desk top Power Supply Unit. Remove the SW4047B desk top PSU from its box. This PSU is a multi-plug device catering for UK, European and USA plugs.

Select the correct plug and slide it into the receptacle until it clicks securely into place, as shown below:



The plug can be removed by squeezing together the plastic retaining lugs and sliding the plug back out.

Connect the jack plug into the socket in the back, and the light source is now ready for connection.

CONNECTION

There are 2 connections required - the fibre port and the mains supply. The fibre port should be connected first. Connect and secure the fibre optic connector into the front of the unit and secure using the M5 locking screw.

Plug the mains plug into the electrical supply socket. Switch on the power, the LED indicator will illuminate, and the light source will start up automatically. If no light is produced consult the troubleshooting section.

NOTE: THESE LIGHT SOURCES ARE NOT MAINS DIMMABLE.

OPERATION

The LED light source has 2 colour cycles, each with 3 different speed settings, the colours are detailed in the table below:

Cycle	Colour 1	Colour 2	Colour 3	Colour 4	Colour 5	Colour 6	Colour 7
1	White	Red	Orange	Jade	Green	Cyan	Blue
2	Pink	Red	Orange	Jade	Green	Cyan	Blue

The light source is controlled using the 2 push buttons on the rear of the unit.
The upper button stops and starts the colour cycle.
The lower button is used to select the cycle speed as follows:

Push the lower button repeatedly until the colour white is displayed. The light source is now in Cycle 1 Speed A as detailed in the table below. Each push reduces the speed. On the third push, the colour red will be displayed. The light source is now in Cycle 2 Speed A.

Cycle	Speed A - Fastest	Speed B - Slower	Speed C - Slowest
1 (White Start)	Push Once	Push Once	Push Once
2 (Red Start)	Push Once	Push Once	Push Once

At any time the cycle can be stopped on a colour and started again using the upper push button.

MAINTENANCE

Please note that a record of all maintenance MUST be kept in the table below, indicating what maintenance was undertaken and when. This MUST be dated for warranty purposes.

Date	Maintenance Undertaken

TROUBLESHOOTING

Problem	Probable cause(s)	Remedy
Unit is dead - LED power indicator is not illuminated	Mains supply off	Check supply and reinstate
	Loose mains plugs	Check plugs
	PSU failed	Replace PSU
Unit is dead - no light output but LED power indicator is still illuminated	LED array failure	Replace LED unit
Poor light output on fibre	Unit needs cleaning	Carefully clean LED Lens with dry cloth
		Clean fibre common end
	Fibre port connector not plugged in correctly	Ensure plugged in correctly and secured with locking screw
Stationary on one colour	Upper button has been pressed	Press upper button once
	LED driver has failed	Replace LED unit
Colour cycle cannot be stopped	LED driver has failed	Replace LED unit

Please ensure you have completed the troubleshooting procedures before returning the unit to us.

TECHNICAL SPECIFICATIONS

Description	Details
Port connector size	30mm
Fibre type	Glass/Polymer
Supply voltage	110VAC 60Hz / 230VAC 50Hz
PSU Output	12C DC, 2A, 24W Maximum
LED Power	2 - 5W in colour cycle mode
Min Ambient Temperature	-10°C
Max Ambient Temperature	+45°C
Power Connection	2.1 x 5.5 x 12mm
LED Type / Model	RGBW
LED Life	50,000 hours in ambient 25°C
Material	Black
Colour	ABS
Size	(L)132mm x(W) 98mm x (H)67mm

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